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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Col	mplete if Known
Application Number	10/089,025
Filing Date	06/21/2002
First Named Inventor	Hooley
Art Unit	2644
Examiner Name	Grier, Laura A
Attorney Docket Number	KEM1.N.80540B (was 017-002)

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
ΔK		US- 3,992,586	11-16-1976	Jaffe, Christopher	
2K		<sup>US-</sup> 3,996,561	12-07-1976	Kowal et al.	
W.	ļ	US- 4,330,691	05-18-1982	Gordon, Theodore	
TK		<sup>US-</sup> 4,515,997	05-0701985	Stinger, Jr., Walter E.	
TIC		<sup>US-</sup> 4,769,848	09-06-1988	Eberback, Steven J.	
2K		<sup>US-</sup> 4,773,096	09-20-1988	Kim, Larry J.	
JK.		<sup>US-</sup> 5,051,799	09-24-1991	Paul et al.	
JK		US- 4,984,273	01-08-1991	Aylward et al.	
JK		<sup>US-</sup> 5,227,591	07-13-1993	Tarkkonen, Timo	
JK		<sup>US-</sup> 5,287,531	02-15-1994	Rogers, Jr. et al.	
2K		<sup>US-</sup> 5,233,664	08-03-1993	Yanagawa et al.	
JK		<sup>US-</sup> 5,313,300	05-17-1994	Rabile, Robert J.	
JK		<sup>US-</sup> 5,313,172	05-17-1994	Vagher, Michael R.	
2K		<sup>US-</sup> 5,751,821	05-12-1998	Smith, David L.	
JK		US- 5,832,097	11-03-1998	Armstrong et al.	
1K		<sup>US-</sup> 6,373,955 B1	04-16-2002	Hooley, Anthony	
JK		<sup>US-</sup> 6,169,806 B1	01-02-2001	Kimura et al.	
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		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	۳٥
JK		DE 40 33 068 A1	04-25-1991	Goerike, Rudolf, Dr.		
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21(		EP 0 351 055 A1	01-17-1990	Tanaka et al.		-
JK		EP 1 026 663 A2	08-09-2000	Wildes, Douglas Glenn		~

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\*EXAMINER: Initial if reference considered, whether or not diation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English tanguage Translation is attached.

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Subsulu	ite tor torm 1449/F1	U		Application Number	10/089,025	
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		_	LOSURE	First Named Inventor	Hooley	
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	(Use as many	sheets as nece	ssary)	Examiner Name	Grier, Laura A	
Shoot	2	of	7	Attorney Docket Number	KEM1.N.80540B (was 017-002)	

			U. S. PATENT	DOCUMENTS	
Examiner tnitials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JK	<u> </u>	US- 6,243,476 B1	06-05-2001	Gardner, William G.	
ZK		<sup>US-</sup> 6,005,642	12-21-1999	Meisner et al.	
ユベ		US- 6,122,223	09-19-2000	Hossack, John A.	
JK		<sup>US-</sup> 6,294,905 B1	09-25-2001	Schwartz, Reiner	
JIC	1	<sup>US-</sup> 6,373,955	04-16-2002	Hooley et al.	
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JK		FR 2,628,335	09-15-1989	Metzger		<u> </u>
ZK		GB 2,209,229 A	05-04-1989	Tasco Limited		<u></u>
JK		GB 2,320,351 A	06-17-1989	Ryford Limited		~
ΣK		JP 61-057198	08-28-1984	Matsushita Electric Ind		~
217		JP 59-186498	10-23-1984	Nippon Columbia Co Ltd		~
77		JP 63-009300	01-14-1988	Matsushita Electric Ind		V

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Substitute for form 1449/PTO

Application Number 10/089,025

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number 10/089,025

Filing Date 06/21/2002

First Named Inventor Hooley

Art Unit 2644

Examiner Name Grier, Laura A

Attorney Docket Number | KEM1.N.80540B (was 017-002) Sheet U. S. PATENT DOCUMENTS Name of Patentee or Examiner Cite Document Number Publication Date Pages, Columns, Lines, Where Initiats\* MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Figures Appear Number-Kind Code<sup>2</sup> (F known) US-US-US-US-US-US-US-US. US-US-US-US-US-US-US-US-ับระ US-US-

		FORE	<b>IGN PATENT DOCU</b>	JMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	<u></u>	Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ°
JK		JP 61-253996	11-11-1986	Matsushita Electric Ind		V
<u>JK</u>		JP 63-234699	09-29-1988	Matsushita Electric Ind		V
2K		JP 63-269699	11-07-1988	Pioneer Electronic Corp		✓
21K		JP 63-300699	12-07-1988	Pioneer Electronic Corp		Z
200		JP 02-239798	09-21-1990	Toa Electric Co Ltd		V
TK		JP 03-159400	07-09-1991	Mitsubishi Heavy Ind Ltd		

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Substitute for form 1449/F TO	Application Number	10/089,025
INCODMATION DICCLOCUDE	Filing Date	06/21/2002
INFORMATION DISCLOSURE	First Named Inventor	Hooley
STATEMENT BY APPLICANT	Art Unit	2644
(Use as many sheets as necessary)	Examiner Name	Grier, Laura A
 <del></del>	Attorney Docket Number	KEM1 N 80540B (was 017-002)

			U. S. PATENT D	DCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appear
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (il known)	MM-DD-YYYY		Or Relevant Figures Appear	1.10
JK		JP 03-159500	07-09-1991	Nippon Hoso Kyokai		<u></u>
JK		JP 04-127700	04-28-1992	Matsushita Electric Ind		<u>'-</u>
2K		JP 64-061601	03-08-1989	Tsubosaka Denki Kk		<u> </u>
21		JP 04-313996	11-05-1992	Mitsubishi Electric Corp		1
2K		JP 05-041897	02-19-1993	Pioneer Electron Corp		<u></u>
JK		JP 05-091596	09-30-1991	Nippon Hoso Kyokai		1

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	** **	ON DISCLOSURE	First Named Inventor	Hooley	
	STATEMENT	BY APPLICANT	Art Unit	2644	
	(Use as many	sheets as necessary)	Examiner Name	Grier, Laura A	
$\overline{}$	Sheet 5	01 7	Attorney Docket Number	KEM1.N.80540B (was 017-002)	

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ZK		JP 05-199598	08-06-1993	Matsushita Electric Ind		~
JK		JP 05-344584	12-24-1993	Matsushita Electric Inc		~
JK		JP 06-062488	03-04-1994	Pioneer Electron Corp		~
W		JP 06-205496	07-22-1994	Pioneer Electron Corp		1
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300301016 101 10111 1445/- 10	Application Number	10/089,025	
INCORMATION DICCLOSURE	Filing Date	06/21/2002	
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ZK		JP 07-203581	08-04-1995	Matsushita Electric Ind		V,
211		JP 06-334459	12-02-1994	Yamaha Corp		V
IK		JP 07-007788	01-10-1995	Ford Motor Co		14
JK		JP 11-046400	02-16-1999	Yamaha Corp		L/
TIC		JP 09-200439	07-31-1997	Canon Inc		<u> </u>

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Attorney Docket Number

Sheet **U. S. PATENT DOCUMENTS** Pages, Columns, Lines, Where Name of Patentee or Publication Date MM-DD-YYYY Cite No.1 **Document Number** Examiner Relevant Passages or Relevant Figures Appear Applicant of Cited Document Initials Number-Kind Code<sup>2</sup> (f known) US-US-US-US-US-US-US-US-US. US-US-US-US. USus. US-US-UŞ-

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	1	Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	<u> </u>
IK		JP 2000-295686	10-20-2000	Yamaha Corp		$\sqsubseteq$
1K		JP 2000-295697	10-20-2000	Yamaha Corp		<u> </u>
JK	<del>                                     </del>	JP 2001-069591	03-16-2001	Yamaha Corp		区
JK		JP 2001-095082	04-06-2001	Yamaha Corp		<u></u>
JK		WO 98-58522	12-23-1998	British Telecommunication		ľ
77.		WO 99-35881	07-15-1999	Sony Corporation		<u> </u>

Examiner	10/	Date	1/21/20
Signature		Considered	1/31/06

\*EXAMINER: Initial if reference considered, whether or not cliation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspio.gov">www.uspio.gov</a> or MPEP 901.04. Better Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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	APPLICANT		First Named Inventor	Hooley					
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Sheet	1 of	1	Attorney Docket	ONE1.002 (was O17-002)					

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2K	J	JP-03-004842	11/1992	Mitsubishi Electric Corp	Х				
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2K	M	JP-04-008975	08/1993	Matsushita Electric Ind Co	X				
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APPLICANT	First Named Inventor	Hooley
~·	Art Unit	2837 HLCEIV
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37 CFR 1.501	Application Number	10/089,025
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(Use as many sheets as necessary)	Examiner Name	NAPPI, R.
Sheet 1 of 3	Attorney Docket No.	ONE1.002

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First Named Inventor	Hooley	\r-\r
Art Unit	RECEN	
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Attorney Docket No.	ONE1.002	
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Statement Statement

Method and apparatus to direct sound

Application:

Confirmation:

9464

Applicant(s):

**Anthony Hooley** 

Docket Number:

017-002

**Group Art Unit:** 

Examiner:

search string:

( \$233664 or \$953432 ).pn.

## **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
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## Remarks

(Remarks are not for responding to an office action.)

Inclusion of a reference in this Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such, nor that any cited reference discloses anything other than what is shown and stated therein. In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. In accordance with 37 CFR § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as

defined in § 1.56(b). This statement is made by the attorney whose electronic signature is appended hereto, on the basis of the information supplied by the inventors and the information in the attorney's file.

## **Signature**

Examiner Name	Date
Joseph	1/31/06